



PET 2000x1000x12 mm svart

Artikelnr P1003747
Kategori PET

Tekniska egenskaper

Density & Weight

Egenskap	V�rde	Enhet	Provningsstandard
Density	1.46	g/cm���	ISO 1183

Tensile Properties

Egenskap	V�rde	Enhet	Provningsstandard
Tensile Strength	52	MPa	ISO 527
Modulus of elasticity (tensile)	3400	MPa	ISO 527-2
Breakdown Voltage	58	MPa	ISO 527
Break Elongation	5	%	ISO 527-2

Temperature Limits

Egenskap	V�rde	Enhet	Provningsstandard
Melting point	224	��C	ISO 3146
Maximal operating temperature (short-term)	138.75	��C	UL746B
Maximum Operating Temperature	97	��C	
Minimum temperature	-25	��C	
Heat deflection temperature (HDT/A)	85	��C	ISO 75
Heat deflection temperature (HDT/B)	100	��C	ISO 75
Vicat softening temperature (VST/B/50)	219	��C	ISO 306

Insulation Properties

Egenskap	V�rde	Enhet	Provningsstandard
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Egenskap	VÄärde	Enhet	Provningsstandard
Dielectric Strength	22	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹⁴ Ω·cm	Ω·cm	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	3.3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250

Flexural Properties

Egenskap	VÄärde	Enhet	Provningsstandard
Flexural Strength	75.25	MPa	ISO 178

Thermal Conductivity

Egenskap	VÄärde	Enhet	Provningsstandard
Thermal Conductivity	0.33	W/(m·K)	DIN 52612

Static spread

Egenskap	VÄärde	Enhet	Provningsstandard
Surface Resistivity	10 ¹⁴ Ω	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

Moisture Absorption

Egenskap	VÄärde	Enhet	Provningsstandard
Water absorption to saturation	0.02	%	ISO 62
Water Absorption to Saturation	0.02	%	ISO 62

Impact Resistance

Egenskap	VÄärde	Enhet	Provningsstandard
Notched impact strength (Charpy)	90	kJ/m ²	ISO 180
Impact Resistance (Charpy)	37	kJ/m ²	ISO 179/1eU

Thermal Expansion

Egenskap	VÄärde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.8	10 ⁻⁶ /K	DIN 11359

Hardness

Egenskap	VÄärde	Enhet	Provningsstandard
Hardness Shore D	77	Å° Shore D	ISO 868

Egenskap	Värde	Enhet	Provningsstandard
Rockwell hardness	112	M-scale	
Ball pressure hardness	166	MPa	ISO 2039

Godkännanden

- EU 10/2011
- FDA
- REACH
- RoHS